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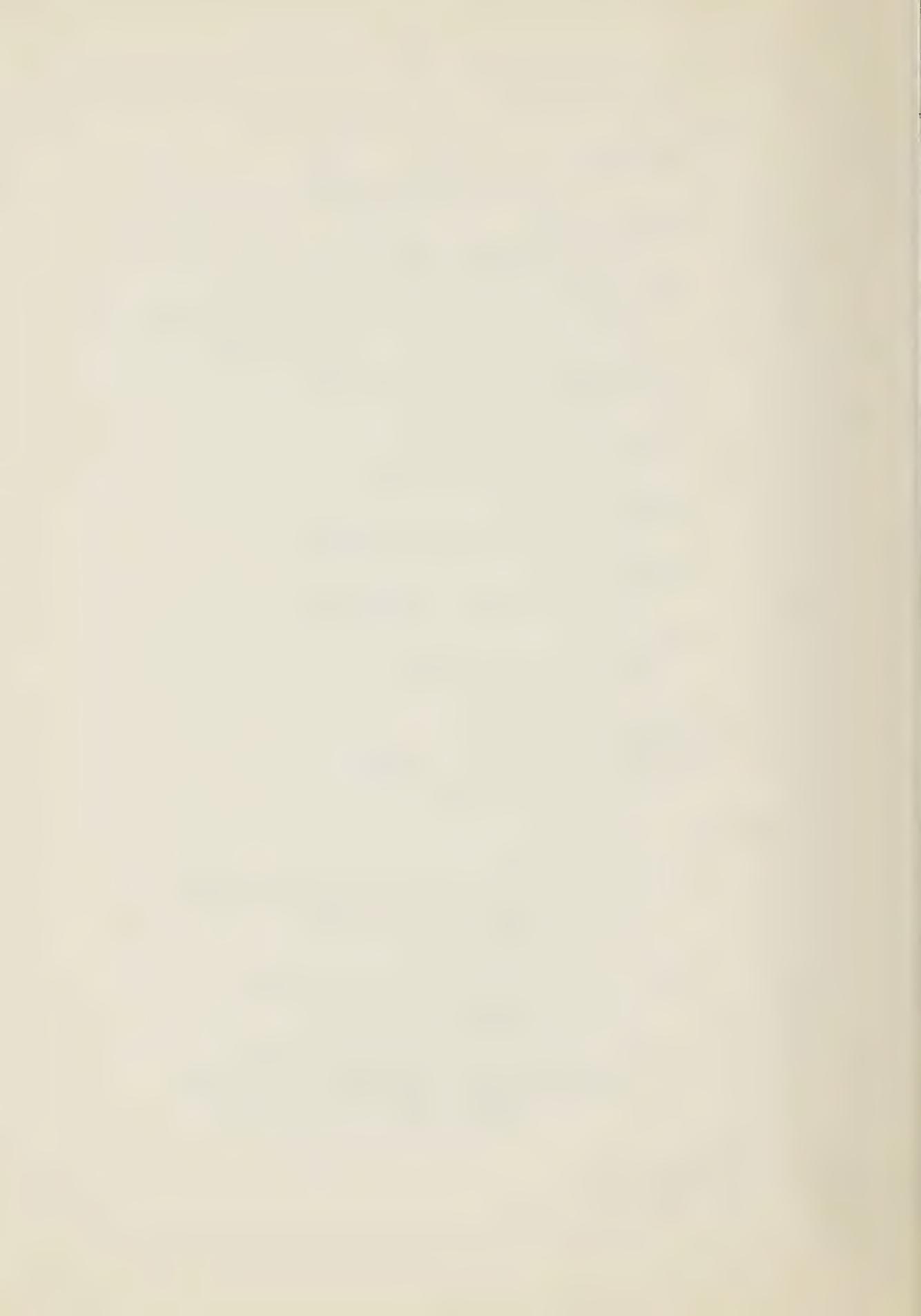
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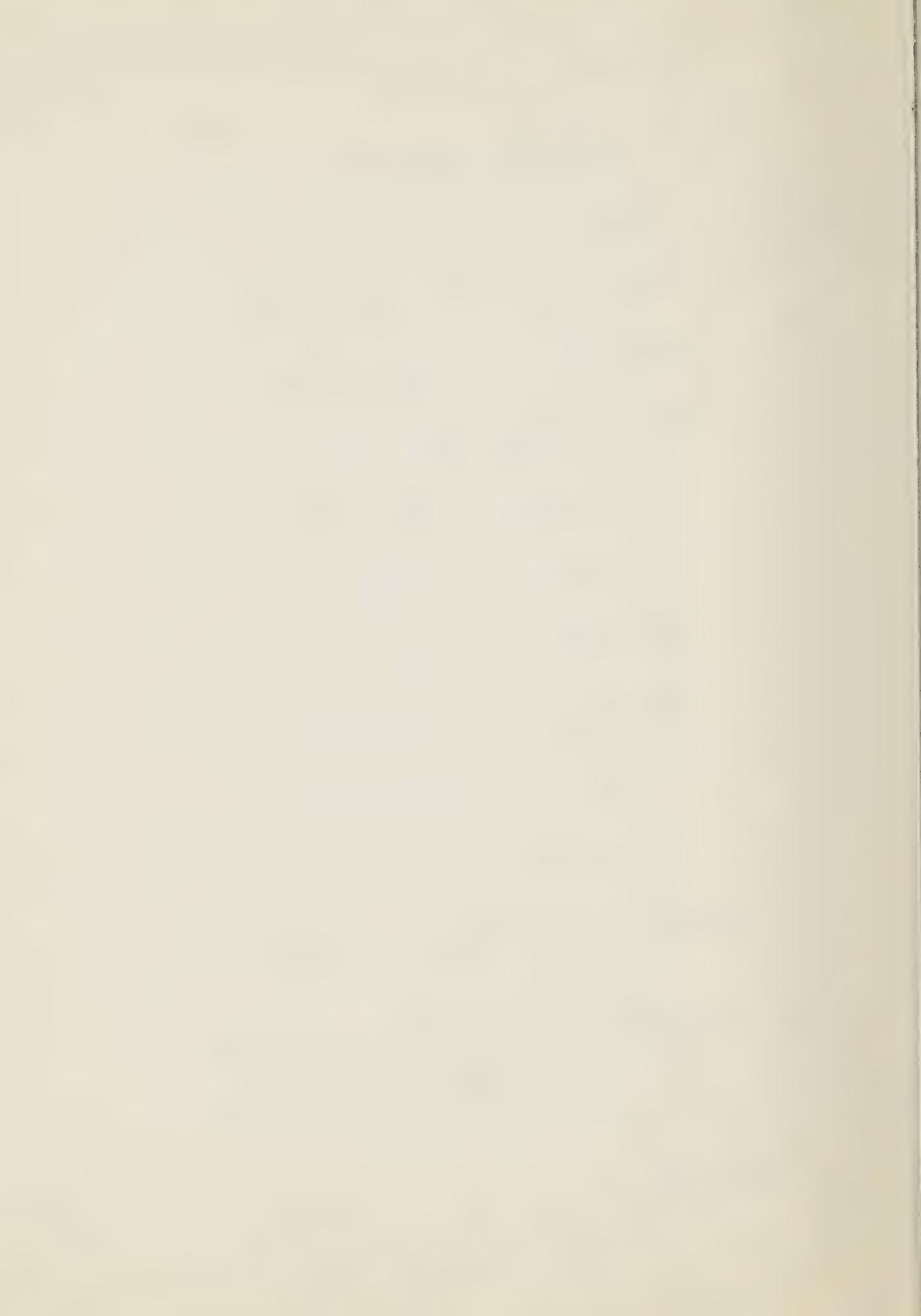
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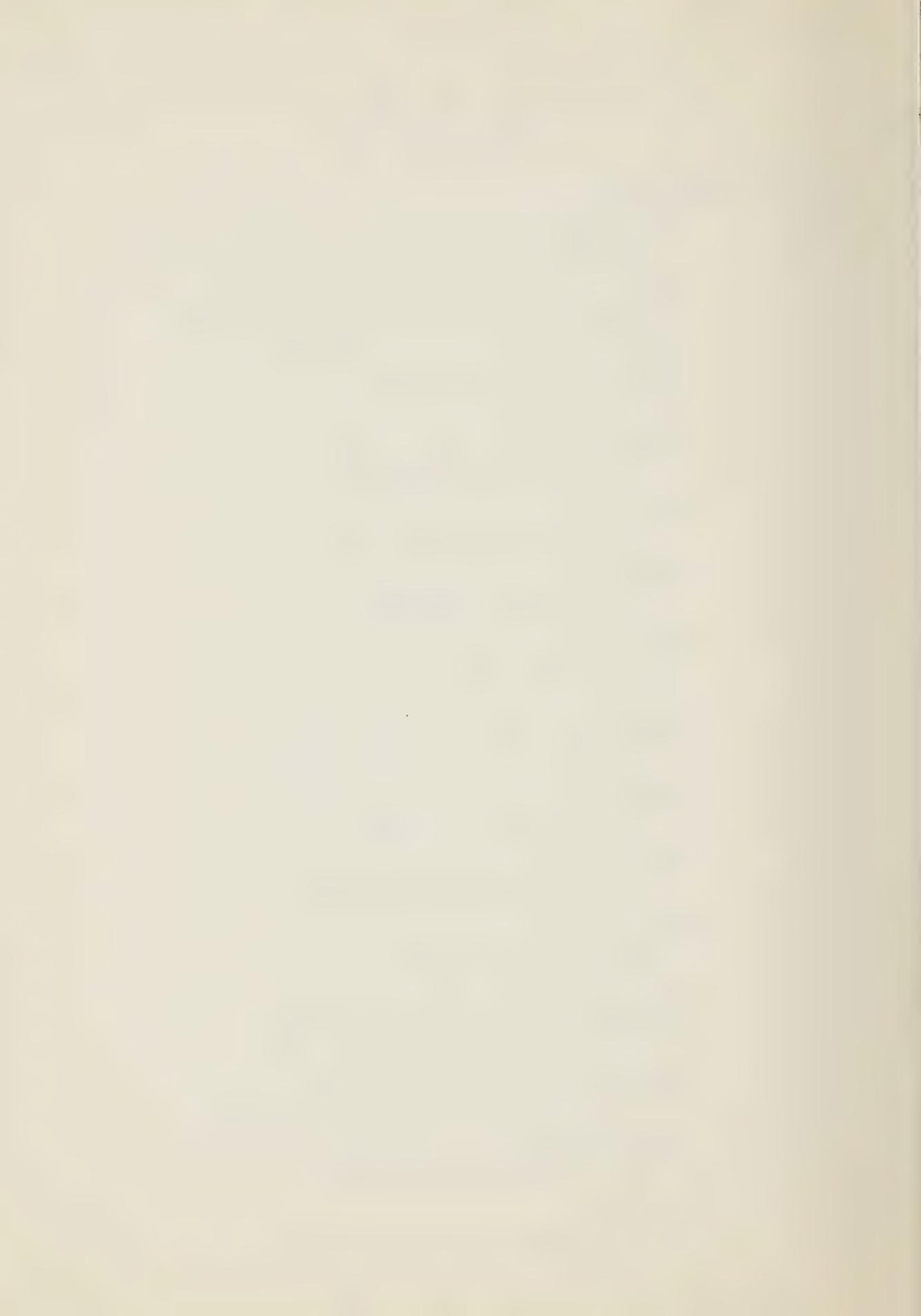
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Elk Rapids, Mich.

~~Farm Management Demonstrator~~

Chas. P. Reed, Farm Management Demonstrator,
East Lansing, Mich.

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St. Paul, Minn.

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State College of Agriculture,
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University Farm, St. Paul, Minn.

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University Farm, St. Paul, Minn.



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E. J. Rodekohr, Greenfield, Mo.

Greene Co:

E. A. Cockefair, Springfield, Mo.

Jackson Co:

E. A. Ikenberry, Independence, Mo.

Johnson Co:

F. A. Gouglas, Warrensburg, Mo.

Knox Co:

F. E. Longmire, Edina, Mo.

Marion Co:

I. F. Gillmor, Palmyra, Mo.

Pettis Co:

G. M. Long, Sedalia, Mo.

St. Charles Co:
W. R. Hendrix, St. Charles, Mo.

St. Francois Co:
Bert L. France, Farmington, Mo.

Saline Co:
Robert J. Howat, Marshall, Mo.

Scott Co:
H. B. Derr, Sikeston, Mo.

NEBRASKA.

C. W. Pugsley, Director of Extension Service,
State College of Agriculture,
Lincoln, Nebr.

A. E. Anderson, State County Agent Leader,
State College of Agriculture,
Lincoln, Nebr.

County Agents:

Box Butte Co:
F. M. Seidell, Alliance, Nebr.

Dakota Co:
A. H. Beckhoff, Hubbard, Nebr.

Dawes Co:
G. O. Unruh, Chadron, Nebr.

Gage Co:
O. H. Liebers, Beatrice, Nebr.

Kimball Co:
Robt. E. Holland, Kimball, Nebr.

Madison Co:
Arthur G. George, Battle Creek, Nebr.

Seward Co:
Chas. E. Gunnels, Seward, Nebr.

Thurston Co:
Ray H. Camp, Walthill, Nebr.

Boy's and Girl's Club Work:

Huldah Peterson, State Agent in Charge,
Univ. of Nebraska, Lincoln, Nebr.

L. T. Skinner, Assistant,
Univ. of Nebraska, Lincoln, Nebr.

E. E. Dale, District Agent, Omaha, Nebr.
L. F. McShane, " " Lincoln, Nebr.

Farm Management Demonstrations:

H. F. Williams, Farm Management Demonstrator,
University of Nebraska, Lincoln, Nebr.

Russel R. Spafford, Farm Management Demonstrator,
University of Nebraska, Lincoln, Nebr.

Arthur W. Medlar, Collaborator, Chiowa, Nebr.
Clarence R. Weber, " Tecumseh, Nebr.

NORTH DAKOTA.

Thos. P. Cooper, Director of Extension Work,
and State County Agent Leader,
North Dakota Agricultural College, Fargo, N. D.

County Agents:

Adams Co:

R. D. Laflin, Hettinger, N. D.

Barnes Co:

Erwin Mayland, Valley City, N. D.
T. X. Calnan, Wimbledon, N. D.

Benson Co:

Harry J. Boyts, Minnewaukan, N. D.

Bottineau Co:

A. P. Henderson, Bottineau, N. D.
J. M. Humphreys, Lansford, N. D.

Cavalier Co:

J. W. Haw, Langdon, N. D.
T. T. Kristjansen, Milton, N. D.

Dickey Co:

W. B. Richards, Ellendale, N. D.

McKenzie Co:

M. B. Johnson, Alexander, N. D.

Morton Co.

A. J. Gaumnitz, Mandan, N. D.

Pierce Co:

Ernest H. Hall, Rugby, N. D.

Ransom Co:

O. O. Uhlhorn, Lisbon, N. D.

Steele Co.

A. E. Nelson, Hope, N. D.

Stutsman Co:

A. F. Borchert, Jamestown, N. D.
J. W. McNary, Pingree, N. D.

Towner Co:

B. A. Gray, Cando, N. D.

Walsh Co:

Paul Carpenter, Park River, N. D.

Ward Co:

W. A. Peck, Minot, N. D.
Grover C. Edwards, Minot, N. D.

Williams Co:

E. W. Hall, Williston, N. D.

Boy's and Girl's Club Work:

Helen J. Sullivan, Assistant,
Fargo, N. D.

OHIO.

Clark S. Wheeler, Director of Agr. Extension Work,
Ohio State University,
Columbus, Ohio.

Geo. W. Bush, State County Agent Leader,
Ohio State University,
Columbus, Ohio.

County Agents:

Clermont Co:

Victor Herron, Owensville, O.

Geauga Co:

Fred L. Allen, Burton, O.

Hamilton Co:

D. R. Van Atta, C/o Woodward High School,
Cincinnati, O.

Highland Co:

Jos. P. Harshberger, Hillsboro, O.

Mahoning Co:

David W. Galehouse, Canfield, O.

Marion, Co:

M. C. Thomas, Marion, O.

Miami Co:

Geo. R. Eastwood, Troy, O.

Montgomery Co:

E. A. Brenneman, Dayton, O.

Paulding Co:

C. E. Bundy, Paulding, O.

Portage Co:

H. P. Miller, Ravenna, O.

Sandusky Co:

K. C. Egbert, Fremont, O.

Trumbull Co:

M. O. Bugby, Warren O.

Washington Co:

E. J. Riggs, Marietta, O.

Farm Management Demonstrations:

G. N. Dagger, Farm Management Demonstrator,
Columbus, Ohio.

SOUTH DAKOTA.

Gordon W. Randlett, Director of Extension,
and State County Agent Leader,
State College of Agriculture,
Brookings, S. D.

District Agricultural Agents:

W. A. Ostrander,
Sioux Falls, S. D.

Guy Morrison,
Redfield, S. D.

County Agents:

Beadle Co:
O. F. Drake, Huron, S. D.

Clark Co:
Leslie V. Ausman, Clark, S. D.

Codington Co:
Andrew W. Palm, Watertown, S. D.

Day Co:
Samuel L. Sloan, Webster, S. D.

Douglas Co:
E. C. Bird, Armour, S. D.

Hughes Co:
W. W. Underwood, Pierre, S. D.

Kingsbury Co:
A. R. Wije, De Smet, S. D.

Lawrence Co:
W. E. Lyman, Spearfish, S. D.

Lyman Co:
Dick Lewallen, Presho, S. D.

Spink Co:
E. W. Hall, Redfield, S. D.

Boys' and Girls' Club Work:

W. H. Muir, State Agent in Charge,

Sioux City, Iowa

WISCONSIN.

H. L. Russell, Director of Extension Service,
State College of Agriculture,
Madison, Wis.

K. L. Hatch, Asst. Director of Extension Service,
State College of Agriculture,
Madison, Wis.

J. F. Wotja, State County Agent Leader,
State College of Agriculture,
Madison, Wis.

E. L. Luther, State Supervisor,
Madison, Wis.

County Agents:

Ashland Co:

C. B. Post, Ashland, Wis.

Barron Co:

R. L. Cuff, Barron, Wis.

Douglas Co:

John M. Walz, Superior, Wis.

Eau Claire Co:

G. R. Ingalls, Eau Claire, Wis.

Forest Co:

John Swenehart, Crandon, Wis.

Langdale Co:

F. G. Swoboda, Antigo, Wis.

Lincoln Co:

A. H. Cole, Merrill, Wis.

Oneida Co:

W. D. Juday, Rhinelander, Wis.

Polk Co:

John S. Klinka, Balsam Lake, Wis.

Price Co:

Griffith Richards, Phillips, Wis.

Taylor Co:

Roland A Kolb, Medford, Wis.

Vilas Co:

Oscar Gunderson, Eagle River, Wis.

Walworth Co:

Leslie L. Oldham, Elkhorn, Wis.

Boy's and Girl's Club Work:

Thos. L. Bewick, State Agent in Charge,
Madison, Wis.

Farm Management Demonstrations:

H. O. Watrud, Farm Management Demonstrator,
Madison, Wis.

FIELD FORCE - WESTERN STATES.

ARIZONA.

Starley F. Moore, Superintendent of Extension,
and State County Agent Leader,
State College of Agriculture,
Tucson, Arizona.

County Agents:

Cochise & Santa Cruz Cos:
A. L. Paschall, San Simon, Ariz.

Maricopa Co:
Jas. A. Armstrong, Phoenix, Ariz.

Navajo & Apache Cos:
Chas. R. Fillerup, Snowflake, Ariz.

Boys' and Girls' Club Work:

Leland S. Parke, State Agent in Charge,
Tuscon, Ariz.

CALIFORNIA.

Warren T. Clarke, Director of Agricultural Extension,
State College of Agriculture,
Berkley, Cal.

B. H. Crocheron, State County Agent Leader,
State College of Agriculture,
Berkeley, Cal.

County Agents:

Alameda Co:
Chester W. Rubel, Hayward, Cal.

Glenn Co:
W. H. Heileman, Orland, Cal.

Humboldt Co:
A. H. Christiansen, Eureka, Cal.

Kern Co:
R. R. Mack, Bakersfield, Cal.

Madera Co:

Thomas C. Mayhew, Madera, Cal.

Napa Co:

Herman J. Baade, Napa, Cal.

Placer Co:

Edw. O. Amundson, Auburn, Cal.

San Diego Co:

Henry A. Wienland, Court House, San Diego, Cal.

San Joaquin Co:

Frank F. Lyons, Stockton, Cal.

Solano Co:

Jas. W. Mills, Fairfield, Cal.

Stanislaus Co:

Charles M. Conner, Modesto, Cal.

Ventura Co:

Wm. Bell Parker, Ventura, Cal.

Yolo Co:

Niles Pond Searls, Woodland, Cal.

Boys' and Girls' Club Work:

Roy Maxwell Hagen, Assistant,
Berkeley, Cal.

COLORADO.

H. T. French, Director of Extension Service,
and State County Agent Leader,
State Agricultural College,
Fort Collins, Colo.

County Agents:

Adams Co:

Geo. R. Smith, Brighton, Colo.

Boulder Co:

H. H. Simpson, Longmont, Colo.

Alamosa County)

Conejos ")

Costilla ")

Rio Grande")

Saguache ")

E. H. Thomas, Almosa, Colo.

El Paso Co:

W. H. Lauck, Colorado Springs, Colo.

La Plata County)

Montezuma ") E. D. Smith, Hesperus, Colo.

Lincoln County)

Kit Carson ") Paul N. Flint, Arriba, Colo.

Logan Co:

D. C. Bascom, Sterling, Colo.

Mesa Co:

W. Harrison, Grand Junction, Colo.

Morgan Co:

C. G. McCord, Fort Morgan, Colo.

Pueblo Co:

Stanley V. Smith, Pueblo, Colo.

San Luis Valley Counties: (See above)

E. H. Thomas, Alamosa, Colo.

Boys' and Girls' Club Work:

W. E. Vaplon, State Agent in Charge,
Fort Collins, Colorado.

Farm Management Demonstrations:

W. E. Foard, Farm Management Demonstrator,
Fort Collins, Colorado.

IDAHO.

O. D. Center, Director of Extension Work,
State College of Agriculture,
Boise, Idaho.

H. W. Hochbaum, State County Agent Leader,
State College of Agriculture,
Boise, Idaho.

County Agents:

Ada Co:

Fred L. Williams, Boise, Idaho.

Canyon Co:

W. T. McCall, Caldwell, Idaho.

Franklin Co:

John A. Morrison, Preston, Idaho.

Lewis Co:

A. E. Wade, Nezperce, Idaho.

Power Co:

A. W. Kjosness, American Falls, Idaho.

Twinn Falls Co:

W. H. Birch, Twin Falls, Idaho.

Boys' and Girls' Club Work:

Thomas W. Potter, State Agent in Charge,
Boise, Idaho.

MONTANA.

F. S. Cooley, Director of Extension Service,
State College of Agriculture,
Bozeman, Montana.

M. L. Wilson, State County Agent Leader,
State College of Agriculture,
Bozeman, Mnntana.

County Agents:

Cascade Co:

R. A. Blanchard, Great Falls, Mont.

Custer Co:

J. C. Taylor, Miles City, Mont.

Dawson Co:

G. E. Piper, Glendive, Mont.

Fergus Co:

C. H. Peterson, Lewistown, Mont.

Hill Co:

Paul P. Bunker, Havre, Mont.

Lewis & Clark Co:

F. B. Carpenter, Helena, Mont.

Teton Co:

John M. Davis, Choteau, Mont.

Boys' and Girls' Club Work:

Augusta D. Evans, State Agent in Charge,
Bozeman, Mont.

Farm Management Demonstrations:

F. Josiah Chase, Farm Management Demonstrator,
Bozeman, Mont.

NEVADA.

C. A. Norcross, Director of Agricultural Extension,
State College of Agriculture,
Reno, Nevada.

Boys' and Girls' Club Work:

Miss Norma J. Davis, State Agent in Charge,
Reno, Nevada.

NEW MEXICO.

A. C. Cooley, Director of Extension Work,
and State County Agent Leader,
College of Agriculture, State College, N.M.

County Agents:

Chaves Co:

J. W. Rigney, Roswell, N. Mex.

Colfax Co:

Vere L. Martineau, Raton, N. Mex.

Dona Ana Co:

Paul Brown Barber, Las Cruces, N. Mex.

Eddy Co:

John W. Knorr, Carlsbad, N. Mex.

Mora & San Miguel Cos:

M. R. Gonzalez, East Las Vegas, N. Mex.

Torrance Co:

Roland Harwell, Estancia, N. Mex.

Boys' and Girls' Club Work:

W. T. Conway, State Agent in Charge,
State College, N. Mex.

OREGON.

R. D. Hetzel, Director of Extension Work,
Oregon State Agricultural College,
Corvallis, Oregon.

Paul V. Maris, State County Agent Leader,
Oregon State Agricultural College,
Corvallis, Oregon.

Merrill O. Evans, Jr., Asst. State County Agent Leader,
Oregon State Agricultural College,
Corvallis, Oregon.

County Agents:

Coos Co:

J. L. Smith, Marshfield, Ore.

Crook Co:

Amos E. Lovett, Redmond, Ore.

Jackson Co:

F. C. Reimer, Talent, Ore.

Klamath Co:

H. R. Glaisyer, Klamath Falls, Ore.

Lake Co:

Orlando B. Hardy, Lake View, Ore.

Malheur Co:

Walter W. Howard, Ontario, Ore.

Tillamook Co:

Roy C. Jones, Tillamook, Ore.

Union Co:

Claude C. Gate, La Grande, Ore.

Wheeler Co:

Orren Beatty, Fossil, Ore.

Boys' and Girls' Club work:

Frederick L. Griffin, State Agent in Charge,
Corvallis, Oregon.

Miss Helen J. Cowgill, Assistant,
Corvallis, Oregon.

Farm Management Demonstrations:

Harold F. Keyes, Farm Management Demonstrator,
Corvallis, Oregon.

UTAH.

E. G. Peterson, Director of Extension Division,
Agricultural College of Utah,
Logan, Utah.

R. J. Evans, State County Agent Leader,
Agricultural College of Utah,
Logan, Utah.

County Agents:

Beaver Co:

H. A. Christiansen, Beaver, Utah.

Carbon Co:)

Emery Co:) R. H. Stewart, Price, Utah.

Millard Co:

J. P. Welch, Hinckley, Utah.

Salt Lake Co:

H. J. Webb, Sandy, Utah.

Sevier Co:

Lorin A. Merrill, Richfield, Utah.

Uinta County:)

Duchesne " ;) Martin L. Harris, Roosevelt, Utah.

Utah Co:

A. B. Ballantyne, Provo, Utah.

Boys' and Girls' Club Work:

J. C. Hogenson, State Agent in Charge, Logan, Utah.
Miss Claire Parrish, Assistant, Logan, Utah.

A. C. Carrington, District Agent, Logan, Utah.
Walter J. Glenn, " " Brigham City, Utah.
P. J. Sanders, " " Kaysville, Utah.

Farm Management Demonstrations:

E. B. Brossard, Farm Management Demonstrator,
Logan, Utah.

WASHINGTON.

W. S. Thornber, Director of Extension Division,
State College of Washington,
Pullman, Wash.

R. B. Coglon, State County Agent Leader,
State College of Washington,
Pullman, Wash.

County Agents:

Adams Co:

R. G. Adams, Ritzville, Wash.

Benton Co:

L. M. Lampson, Kennewick, Wash.

Clallam County:)

Jefferson " :) O. T. McWhorter, Port Townsend, Wash.

Douglas Co: A. M. Richardson, Waterville, Wash.

Grant Co:

H. W. Reaugh, Ephrata, Wash.

Gray's Harbor Co:

C. F. Monroe, Montesano, Wash.

King Co:

F. W. Rader, Seattle, Wash.

Okanogan Co:

Jas. A. Hughes, Omak, Wash.

Spokane Co:

Jas. R. Shinn, Spokane, Wash.

Thurston Co:

O. C. Van Houten, Olympia, Wash.

Makiaukum Co:

Geo. A. Nelson, Cathlamet, Wash.

Walla Walla Co:

Virgil O. Patton, Walla Walla, Wash.

Boys' and Girls' Club Work:

T. J. Newbill, State Agent in Charge,
Pullman, Washington.

Farm Management Demonstrations:

R. N. Miller, Farm Management Demonstrator,
Pullman, Washington.

WYOMING.

A. E. Bowman, Director of Extension Work,
State College of Agriculture,
Laramie, Wyoming.

R. S. Besse, State County Agent Leader,
State College of Agriculture,
Laramie, Wyoming.

County Agents:

Bighorn Co:

Allyn H. Tedmon, Basin, Wyo.

Crook Co:

W. R. Reeves, Sundance, Wyo.

Fremont Co:

A. L. Campbell, Lander, Wyo.

Goshen Co:

J. A. Helmreich, Torrington, Wyo.

Johnson Co:

A. F. Scott, Buffalo, Wyo.

Lincoln Co:

John E. Watt, Afton, Wyo.

100 m/s wind

2000 m above ground level

100 m/s wind

1000 m above ground level

100 m/s wind

500 m above ground level

100 m/s wind

200 m above ground level

100 m/s wind

- Systematic uncertainty about 10% due to
uncertainties in calibration

± 10%

Wind direction bias ± 10° due to
uncertainties in calibration

± 10° due to calibration

Wind speed bias ± 10% due to
uncertainties in calibration

± 10% due to calibration

Wind direction bias ± 10° due to
uncertainties in calibration

± 10% due to calibration

Wind speed bias ± 10% due to calibration

± 10% due to calibration

Wind direction bias ± 10° due to
uncertainties in calibration

± 10% due to calibration

Wind speed bias ± 10% due to calibration

± 10% due to calibration

Wind direction bias ± 10° due to
uncertainties in calibration

Platte Co:

B. S. Tedmon, Jr., Wheatland, Wyo.

Sheridan Co:

S. M. Fuller, Sheridan, Wyo.

Boys' and Girls' Club Work:

I. L. Hobson, State Agent in Charge,
Laramie, Wyoming.

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